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OM protein - protein search, using sw model

Run on: August 28, 2003, 18:31:03 ; Search time 10.1515 Seconds  
(without alignments)  
41.679 Million cell updates/sec

Title: US-09-743-225-7  
Perfect score: 55  
Sequence: 1 CATLRVYKGG 10

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	46	83.6	356	4	US-09-107-532A-6936
2	36	65.5	343	3	US-09-363-189B-4
3	35	63.6	310	1	US-08-433-783-42
4	35	63.6	310	2	US-08-337-358-42
5	35	63.6	310	5	PCT-US95-07537A-42
6	35	63.6	310	5	PCT-US95-07537-42
7	35	63.6	340	1	US-07-828-700-8
8	35	63.6	685	3	US-08-947-965-72
9	35	63.6	686	3	US-08-947-965-70
10	35	63.6	686	3	US-08-947-965-73
11	34	61.8	119	1	US-07-988-925-11
12	34	61.8	119	2	US-08-382-780-11
13	34	61.8	128	6	5514582-34
14	34	61.8	181	2	US-08-640-977-3
15	34	61.8	207	2	US-08-640-977-5
16	34	61.8	248	2	US-08-640-977-2
17	34	61.8	266	2	US-08-640-977-4
18	34	61.8	326	2	US-08-640-977-1
19	34	61.8	349	2	US-07-857-224B-95
20	33	60.0	465	4	US-09-252-991A-18919
21	33	60.0	685	3	US-08-947-965-74
22	33	60.0	1240	2	US-08-680-326-37
23	32	58.2	69	3	US-08-905-223-353
24	32	58.2	70	3	US-08-905-223-355
25	32	58.2	386	4	US-09-293-322C-5
26	32	58.2	386	4	US-09-839-497A-5
27	32	58.2	477	2	US-08-560-098A-51

28	32	58.2	680	3	US-08-947-965-77	Sequence 77, Appl
29	31	56.4	119	2	US-08-362-780-25	Sequence 25, Appl
30	31	56.4	198	4	US-09-328-352-8198	Sequence 8198, Ap
31	31	56.4	410	4	US-09-134-001C-3927	Sequence 3927, Ap
32	31	56.4	422	4	US-09-252-991A-22762	Sequence 22762, A
33	31	56.4	428	4	US-09-252-991A-27023	Sequence 27023, A
34	31	56.4	536	4	US-09-352-991A-16754	Sequence 16754, A
35	31	56.4	684	4	US-09-352-991A-27004	Sequence 27004, A
36	31	56.4	715	3	US-08-669-286-7	Sequence 7, Appl
37	31	56.4	715	3	US-09-469-253-7	Sequence 7, Appl
38	31	56.4	715	3	US-09-642-146-7	Sequence 7, Appl
39	30	54.5	45	4	US-09-369-247-146	Sequence 146, App
40	30	54.5	50	1	US-08-247-475-37	Sequence 37, Appl
41	30	54.5	50	1	US-08-479-650-37	Sequence 37, Appl
42	30	54.5	50	1	US-08-191-866D-59	Sequence 59, Appl
43	30	54.5	50	1	US-08-674-169-37	Sequence 37, Appl
44	30	54.5	50	2	US-08-185-949B-59	Sequence 59, Appl
45	30	54.5	52	1	US-08-247-475-40	Sequence 40, Appl

## ALIGNMENTS

RESULT 1  
US-09-107-532A-6936  
; Sequence 6936, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 7310  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD-ROM ISO9660  
; COMPUTER: PC  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,532A  
; FILING DATE: 30-Jun-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/085,598  
; FILING DATE: 14 May 1998  
; APPLICATION NUMBER: 60/051571  
; FILING DATE: July 2, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ariniello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-012  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781)893-5007  
; TELEFAX: (781)893-8277  
; INFORMATION FOR SEQ ID NO: 6936:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 356 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHEetical: YES  
; ORIGINAL SOURCE:  
; ORGANISM: Enterococcus faecium  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (B) LOCATION 1...356  
; SEQUENCE DESCRIPTION: SEQ ID NO: 6936:  
US-09-107-532A-6936

Query Match 83.6%; Score 46; DB 4; Length 356;  
Best Local Similarity 90.0%; Pred. No. 0.41;  
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10  
||||| |||  
Db 29 CATLRVYKGG 38

RESULT 2  
US-09-363-189B-4  
; Sequence 4, Application US/09363189B  
; Patent No. 6242228  
; GENERAL INFORMATION:  
; APPLICANT: SUGIYAMA, MASAKAZU  
; APPLICANT: TONOUCHI, NAOTO  
; APPLICANT: SUZUKI, SHUNICHI  
; APPLICANT: YOKOZEKI, KENZO  
; TITLE OF INVENTION: XYLITOL DEHYDROGENASE OF ACETIC ACID BACTERIA AND GENE THEREOF  
; FILE REFERENCE: 0010-1024-0  
; CURRENT APPLICATION NUMBER: US/09/363,189B  
; CURRENT FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: JP10-216047  
; PRIOR FILING DATE: 1998-07-30  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4  
; LENGTH: 343  
; TYPE: PRT  
; ORGANISM: Gluconobacter oxydans  
US-09-363-189B-4

Query Match 65.5%; Score 36; DB 3; Length 343;  
Best Local Similarity 77.8%; Pred. No. 32;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 9  
||| |||||  
Db 153 CAGLTRVYKGG 161

RESULT 3  
US-08-433-783-42  
; Sequence 42, Application US/08433783  
; Patent No. 5770431  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Chi-Li  
; APPLICANT: Adams, Lee F.  
; APPLICANT: Lufburrow, Patricia A.  
; APPLICANT: Thomas, Michael D.  
; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS  
; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 5770431 No. 5770431disk of No. 5770431th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Tape  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/433,783  
; FILING DATE: 03-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/337,358  
; FILING DATE: 10-NOV-1994

; APPLICATION NUMBER: US 08/264,100  
; FILING DATE: 22-JUN-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/194,651  
; FILING DATE: 09-FEB-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/166,391  
; FILING DATE: 13-DEC-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/991,073  
; FILING DATE: 15-DEC-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Agis Dr., Cheryl H.  
; REGISTRATION NUMBER: 34,086  
; REFERENCE/DOCKET NUMBER: 3778.230-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 310 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-433-783-42

Query Match 63.6%; Score 35; DB 1; Length 310;  
Best Local Similarity 75.0%; Pred. No. 45;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRYVYKGG 9  
||||| |||  
Db 169 ATLRYVYKGG 176

RESULT 4  
US-08-337-358-42  
; Sequence 42, Application US/08337358  
; Patent No. 5879676  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Chi-Li  
; APPLICANT: Adams, Lee F.  
; APPLICANT: Lufburrow, Patricia A.  
; APPLICANT: Thomas, Michael D.  
; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS  
; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 5879676 No. 5879676disk of No. 5879676th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Tape  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/337,358  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/264,100  
; FILING DATE: 22-JUN-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/194,651  
; FILING DATE: 09-FEB-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/166,391  
; FILING DATE: 13-DEC-1993

;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 07/991,073  
;; FILING DATE: 15-DEC-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Agiris Dr., Cheryl H.  
;; REGISTRATION NUMBER: 34,086  
;; REFERENCE/DOCKET NUMBER: 3778.230-US  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 212-867-0123  
;; TELEFAX: 212-878-9655  
;; INFORMATION FOR SEQ ID NO: 42:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 310 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
US-08-337-358-42

Query Match 63.6%; Score 35; DB 2; Length 310;  
Best Local Similarity 75.0%; Pred. No. 45;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9  
|||:||||  
Db 169 ATLQIYKG 176

RESULT 5  
PCT-US95-07537A-42  
; Sequence 42, Application PC/TUS9507537A  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS  
; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Novo Nordisk of North America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Tape  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/07537A  
; FILING DATE: 15-JUN-1995  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/991,073  
; FILING DATE: 15-DEC-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/264,100  
; FILING DATE: 22-JUN-1994  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 310 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
PCT-US95-07537A-42

Query Match 63.6%; Score 35; DB 2; Length 310;  
Best Local Similarity 75.0%; Pred. No. 45;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9  
|||:||||  
Db 169 ATLQIYKG 176

RESULT 5  
PCT-US95-07537A-42  
; Sequence 42, Application PC/TUS9507537A  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS  
; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Novo Nordisk of North America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Tape  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/07537A  
; FILING DATE: 15-JUN-1995  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/991,073  
; FILING DATE: 15-DEC-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/264,100  
; FILING DATE: 22-JUN-1994  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 310 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single

;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
PCT-US95-07537A-42

Query Match 63.6%; Score 35; DB 5; Length 310;  
Best Local Similarity 75.0%; Pred. No. 45;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9  
|||:||||  
Db 169 ATLQIYKG 176

RESULT 6  
PCT-US95-07537-42  
; Sequence 42, Application PC/TUS9507537  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: NOVEL BACILLUS THURINGIENSIS STRAINS  
; TITLE OF INVENTION: ACTIVE AGAINST LEPIDOPTERAN AND COLEOPTERAN PESTS  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Novo Nordisk of North America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Tape  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/07537  
; FILING DATE: 15-JUN-1995  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/264,100  
; FILING DATE: 22-JUN-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/337,358  
; FILING DATE: 10-NOV-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Agiris Dr., Cheryl H.  
; REGISTRATION NUMBER: 34,086  
; REFERENCE/DOCKET NUMBER: 3778.404-WO  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 310 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
PCT-US95-07537-42

Query Match 63.6%; Score 35; DB 5; Length 310;  
Best Local Similarity 75.0%; Pred. No. 45;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9  
|||:||||  
Db 169 ATLQIYKG 176

RESULT 7  
US-07-828-700-8  
; Sequence 8, Application US/07828700  
; Patent No. 5308760  
; GENERAL INFORMATION:

APPLICANT: Brown, Kit L.  
APPLICANT: Whiteley, Helen R.  
TITLE OF INVENTION: CRYSTAL PROTEINS OF BACILLUS  
THURINGIENSIS, GENES ENCODING THEM, AND HOSTS  
TITLE OF INVENTION: EXPRESSING THEM  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Wegner, Cantor, Mueller & Player  
STREET: 1233 20th Street, N.W.  
CITY: Washington  
STATE: D.C.  
ZIP: 20036-8218  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/828,700  
FILING DATE: 19920203  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/817,915  
FILING DATE: 10 JAN 1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Cantor, Herbert I.  
REGISTRATION NUMBER: 24,392  
REFERENCE/DOCKET NUMBER: P-9575-23207  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-887-0400  
TELEFAX: 202-835-0605  
TELEX: 440706  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORGANISM: Bacillus thuringiensis  
STRAIN: thompsoni  
US-07-828-700-8

Query Match 63.6%; Score 35; DB 1; Length 340;  
Best Local Similarity 75.0%; Pred. No. 50;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYKG 9  
| | | : | | |  
Db 160 ATLRVYKG 167

RESULT 8  
US-08-947-965-72  
; Sequence 72, Application US/08947965A  
; Patent No. 6004790  
; GENERAL INFORMATION:  
; APPLICANT: Dijkhuizen, Lubbert  
; APPLICANT: Dijkstra, Bauke  
; APPLICANT: Andersen, Carsten  
; APPLICANT: Osten, Claus von der  
; TITLE OF INVENTION: Cyclomaltodextrin Glucanotransferase  
; FILE REFERENCE: 4285.204-US  
; CURRENT APPLICATION NUMBER: US/08/947,965A  
; CURRENT FILING DATE: 1997-10-09  
; EARLIER APPLICATION NUMBER: 0477/95  
; EARLIER FILING DATE: 1995-04-21  
; EARLIER APPLICATION NUMBER: 1173/95  
; EARLIER FILING DATE: 1995-10-17  
; EARLIER APPLICATION NUMBER: 1281/95  
; EARLIER FILING DATE: 1995-11-16  
; EARLIER APPLICATION NUMBER: PCT/DK96/00179

EARLIER FILING DATE: 1996-04-22  
NUMBER OF SEQ ID NOS: 78  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 72  
LENGTH: 685  
TYPE: PRT  
ORGANISM: Bacillus sp.  
US-08-947-965-72

Query Match 63.6%; Score 35; DB 3; Length 685;  
Best Local Similarity 60.0%; Pred. No. 1e+02;  
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10  
| | | : | | |  
Db 43 CTNRLRYCGG 52

RESULT 9  
US-08-947-965-70  
; Sequence 70, Application US/08947965A  
; Patent No. 6004790  
; GENERAL INFORMATION:  
; APPLICANT: Dijkhuizen, Lubbert  
; APPLICANT: Dijkstra, Bauke  
; APPLICANT: Andersen, Carsten  
; APPLICANT: Osten, Claus von der  
; TITLE OF INVENTION: Cyclomaltodextrin Glucanotransferase  
; FILE REFERENCE: 4285.204-US  
; CURRENT APPLICATION NUMBER: US/08/947,965A  
; CURRENT FILING DATE: 1997-10-09  
; EARLIER APPLICATION NUMBER: 0477/95  
; EARLIER FILING DATE: 1995-04-21  
; EARLIER APPLICATION NUMBER: 1173/95  
; EARLIER FILING DATE: 1995-10-17  
; EARLIER APPLICATION NUMBER: 1281/95  
; EARLIER FILING DATE: 1995-11-16  
; EARLIER APPLICATION NUMBER: PCT/DK96/00179  
; EARLIER FILING DATE: 1996-04-22  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 70  
; LENGTH: 686  
; TYPE: PRT  
; ORGANISM: Bacillus circulans  
US-08-947-965-70

Query Match 63.6%; Score 35; DB 3; Length 686;  
Best Local Similarity 60.0%; Pred. No. 1e+02;  
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10  
| | | : | | |  
Db 43 CTNRLRYCGG 52

RESULT 10  
US-08-947-965-73  
; Sequence 73, Application US/08947965A  
; Patent No. 6004790  
; GENERAL INFORMATION:  
; APPLICANT: Dijkhuizen, Lubbert  
; APPLICANT: Dijkstra, Bauke  
; APPLICANT: Andersen, Carsten  
; APPLICANT: Osten, Claus von der  
; TITLE OF INVENTION: Cyclomaltodextrin Glucanotransferase  
; FILE REFERENCE: 4285.204-US  
; CURRENT APPLICATION NUMBER: US/08/947,965A  
; CURRENT FILING DATE: 1997-10-09  
; EARLIER APPLICATION NUMBER: 0477/95  
; EARLIER FILING DATE: 1995-04-21

;; EARLIER APPLICATION NUMBER: 1173/95  
;; EARLIER FILING DATE: 1995-10-17  
;; EARLIER APPLICATION NUMBER: 1281/95  
;; EARLIER FILING DATE: 1995-11-16  
;; EARLIER APPLICATION NUMBER: PCT/DK96/00179  
;; EARLIER FILING DATE: 1996-04-22  
;; NUMBER OF SEQ ID NOS: 78  
;; SOFTWARE: FASTSEQ for Windows Version 3.0  
;; SEQ ID NO 73  
;; LENGTH: 686  
;; TYPE: PRT  
;; ORGANISM: Bacillus sp.  
US-08-947-965-73

Query Match 63.6%; Score 35; DB 3; Length 686;  
Best Local Similarity 60.0%; Pred. NO. 1e+02;  
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10  
| | | | | | | |  
DB 43 CTNLRLYCGG 52

RESULT 11  
US-07-988-925-11  
; Sequence 11, Application US/07988925  
; Patent No. 5585097  
; GENERAL INFORMATION:  
; APPLICANT: Bolt, Sarah L  
; APPLICANT: Clark, Michael R  
; APPLICANT: Gorman, Scott D  
; APPLICANT: Routledge, Edward G  
; APPLICANT: Waldmann, Herman  
; TITLE OF INVENTION: antibody preparation  
; NUMBER OF SEQUENCES: 24  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Nixon and Vanderhye pc  
; STREET: 11th Floor, 1100 No. 5585097th Glebe Road  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/988,925  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9206422.9  
; FILING DATE: 24-MAR-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/GB92/01933  
; FILING DATE: 21-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mitchard, Leonard C  
; REGISTRATION NUMBER: 29009  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 119 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-07-988-925-11

Query Match 61.8%; Score 34; DB 1; Length 119;  
Best Local Similarity 60.0%; Pred. NO. 1e+02;  
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Best Local Similarity 60.0%; Pred. No. 27;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10  
| | | | | | | |  
DB 96 CAKFRQYSGG 105

RESULT 12  
US-08-362-780-11  
; Sequence 11, Application US/08362780  
; Patent No. 5968509  
; GENERAL INFORMATION:  
; APPLICANT: Gorman, Scott D  
; APPLICANT: Routledge, Edward G  
; APPLICANT: Waldmann, Herman  
; TITLE OF INVENTION: Antibody Preparation  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Nixon and Vanderhye pc  
; STREET: 8th Floor, 1100 No. 5968509th Glebe Road  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/362,780  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/862,543  
; FILING DATE: 23-JUNE-1992  
; APPLICATION NUMBER: GB 9021679.7  
; FILING DATE: 05-OCT-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/GB91/01726  
; FILING DATE: 04-OCT-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mitchard, Leonard C  
; REGISTRATION NUMBER: 29009  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 119 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-362-780-11

Query Match 61.8%; Score 34; DB 2; Length 119;  
Best Local Similarity 60.0%; Pred. No. 27;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CATLRVYKGG 10  
| | | | | | | |  
DB 96 CAKFRQYSGG 105

RESULT 13  
5514582-34  
; Patent No. 5514582  
; APPLICANT: CAPON, DANIEL J.; LASKY, LAURENCE A.  
; TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID  
; IMMUNOGLOBULINS  
; NUMBER OF SEQUENCES: 43

;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/185,670  
;; FILING DATE: 21-JAN-1994  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 986,931  
;; FILING DATE: 08-DEC-1992  
;; APPLICATION NUMBER: 808,122  
;; FILING DATE: 16-DEC-1991  
;; APPLICATION NUMBER: 440,625  
;; FILING DATE: 22-NOV-1989  
;; APPLICATION NUMBER: 315,015  
;; FILING DATE: 23-FEB-1989  
;; SEQ ID NO:34:  
; LENGTH: 128  
5514582-34

Query Match 61.8%; Score 34; DB 6; Length 128;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYK 8  
Db 73 ATLRVYK 79

RESULT 14  
US-08-640-977-3  
; Sequence 3, Application US/08640977  
; Patent No. 5998223  
; GENERAL INFORMATION:

;; APPLICANT: Eiji MATSUURA et al.  
;; TITLE OF INVENTION: METHOD FOR ASSAYING ANTIPHOSPHOLIPID  
;; TITLE OF INVENTION: ANTIBODY AND KIT THEREFOR  
;; NUMBER OF SEQUENCES: 14  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Wenderoth, Lind & Ponack  
;; STREET: 805 Fifteenth Street, N.W., #700  
;; CITY: Washington  
;; STATE: D.C.  
;; COUNTRY: U.S.A.  
;; ZIP: 20005

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: MS-DOS  
;; SOFTWARE: Wordperfect 5.1  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/640,977  
;; FILING DATE: May 9, 1996  
;; CLASSIFICATION: 436  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER:

;; FILING DATE:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Warren M. Cheek, Jr.  
;; REGISTRATION NUMBER: 33,367  
;; REFERENCE/DOCKET NUMBER:  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 202-371-8850  
;; TELEFAX:  
;; TELEX:

;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
; LENGTH: 181 amino acids  
; TYPE: amino acids  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: 2-glycoprotein (Domains I, II and III)  
; LOCATION:

;; IDENTIFICATION METHOD:  
;; OTHER INFORMATION:  
US-08-640-977-3

Query Match 61.8%; Score 34; DB 2; Length 181;  
Best Local Similarity 100.0%; Pred. No. 41;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYK 8  
Db 132 ATLRVYK 138

RESULT 15  
US-08-640-977-5  
; Sequence 5, Application US/08640977  
; Patent No. 5998223  
; GENERAL INFORMATION:

;; APPLICANT: Eiji MATSUURA et al.  
;; TITLE OF INVENTION: METHOD FOR ASSAYING ANTIPHOSPHOLIPID  
;; TITLE OF INVENTION: ANTIBODY AND KIT THEREFOR  
;; NUMBER OF SEQUENCES: 14  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Wenderoth, Lind & Ponack  
;; STREET: 805 Fifteenth Street, N.W., #700  
;; CITY: Washington  
;; STATE: D.C.  
;; COUNTRY: U.S.A.  
;; ZIP: 20005

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: MS-DOS  
;; SOFTWARE: Wordperfect 5.1  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/640,977  
;; FILING DATE: May 9, 1996  
;; CLASSIFICATION: 436  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER:  
;; FILING DATE:

;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Warren M. Cheek, Jr.  
;; REGISTRATION NUMBER: 33,367  
;; REFERENCE/DOCKET NUMBER:  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 202-371-8850  
;; TELEFAX:  
;; TELEX:

;; INFORMATION FOR SEQ ID NO: 5:  
;; SEQUENCE CHARACTERISTICS:  
; LENGTH: 207 amino acids  
; TYPE: amino acids  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: 2-glycoprotein (Domains III, IV and V)  
; LOCATION:  
; IDENTIFICATION METHOD:  
; OTHER INFORMATION:

US-08-640-977-5

Query Match 61.8%; Score 34; DB 2; Length 207;  
Best Local Similarity 100.0%; Pred. No. 47;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 ATLRVYK 8  
Db 13 ATLRVYK 19

Search completed: August 28, 2003, 18:40:15  
Job time : 10.1515 secs